



<b>Form PTO-1449 Modified</b>  <b>List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</b>  <b>U.S. Patent Department of Commerce Patent and Trademark Office</b>	<b>Docket No.:</b> P17969-US2	<b>Serial No.:</b> Not Assigned
	<b>Applicant:</b> Irina C. Cotanis et al.	
	<b>Filing Date:</b> January 20, 2004	<b>Group:</b> Not Assigned

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	A-1	US 2003/0219087 A1	Nov. 27, 2003 (published)	Boland	375	371
	A-2	US 2003/0200303 A1	Oct. 23, 2003 (published)	Chong	709	224
	A-3	US 2003/0093513 A1	May 15, 2003 (published)	Hicks et al.	709	224
	A-4	US 2002/0193999 A1	Dec. 19, 2002 (published)	Keane et al.	704	270
	A-5	US 2004/0002852 A1	Jan. 1, 2004 (published)	Kim	704	205

**OTHER DOCUMENTS**

Examiner Initials		Author, Title, Date, Pertinent Pages, Etc.
	C-1	International Telecommunication Union, IT-T P.862 "Perceptual Evaluation of Speech Quality (PESQ): An Objective Method for End-to-End Speech Quality Assessment of Narrow-Band Telephone Networks and Speech Codecs" 24 pages, Feb. 2001.
	C-2	Stephen D. Voran "Objective Estimation of Perceived Speech Quality Using Measuring Normalizing Blocks" NTIA Report 98-347, 10 pages, April 1998.
	C-3	Christopher Redding et al. "Voice Quality Assessment of Vocoders in Tandem Configuration" NTIA Report 01-386, 21 pages, April 2001.
	C-4	Timothy A. Hall "Objective Speech Quality Measures for Internet Telephony" in Voice over IP (VoIP) Technology, Petros Mouchtaris, Editor, Proceedings of SPIE Vol. 4522, 9 pages, 2001.
	C-5	Stephen D. Voran "Objective Estimation of Perceived Speech Quality, Part I: Development of the Measuring Normalizing Block Technique" IEEE Transaction on Speech and Audio Processing, July, 1999.

**Date Examined:**

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<b>FOREIGN PATENT DOCUMENTS</b>						
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					<b>Yes</b>	<b>No</b>
<b>OTHER DOCUMENTS</b>						
<b>Examiner Initials</b>		<b>Author, Title, Date, Pertinent Pages, Etc.</b>				
	C-6	Antony Rix et al. "Comparison of Speech Quality Assessment Algorithms: BT PAMS, PSQM, PSQM+ and MNB" ITU-T Delayed Contribution D.80, December 1998.				
	C-7	Antony Rix et al. "Performance Metrics for Objective Quality Assessment Systems in Telephony" ITU-T Delayed Contribution D.79, December 1998.				
	C-8	Antony Rix "A New PESQ-LQ Scale to Assist Comparison Between P.862 PESQ Score and Subjective MOS" ITU-T Delayed Contribution D.86, 2001.				
	C-9	D.J. Atkinson "Additional Detail on MNB Algorithm Performance" ITU-T Delayed Contribution D.029, April 1997.				
	C-10	Antony Rix et al. "Performance of the Integrated KPN/BT Objective Speech Quality Assessment Model" ITU-T Delayed Contribution D.136, May 2000.				
	C-11	J. Holub et al. "Low Bit-Rate Networks-A Challenge for Intrusive Speech Transmission Quality Measurements" (no date--possible prior art).				
	C-12	Antony Rix "Comparison Between Subjective Listening Quality and P.862 PESQ Score" (no date--possible prior art).				
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					<div style="display: flex; justify-content: space-between; padding: 0 5px;"> <span>Yes</span> <span>No</span> </div>

  

OTHER DOCUMENTS		
Examiner Initials		Author, Title, Date, Pertinent Pages, Etc.
	C-13	I. Cotanis "Impacting Factors on the Objective Measurement Algorithms for Speech Quality Assessment on Mobile Networks" IEEE International Conference on Telecommunications, Bucharest, Romania June 2001.
	C-14	Murray R. Spiegel "Schaum's Outline of Theory and Problems of Statistics Second Edition" pages 196, 208-209, 233-234, 299 and 490, dated 1998.
	C-15	J. Freund et al. "Dictionary/Outline of Basic Statistics" Dover Publications, Inc., page 109, dated 1966.
	C-16	J. Mandel "The Statistical Analysis of Experimental Data" pages 393-394, dated 1964.

  

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